

Southwick Urban District Council


ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR
1961

ROSETTA C. BARKER, M.B., B.Ch., B.A.O., D.P.H.

Southwick Urban District Council

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
FOR THE YEAR
1961

ROSETTA C. BARKER, M.B., B.Ch., B.A.O., D.P.H.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b3012055x>

CONTENTS

Public Health Committee	...	...	...	...	I
Staff of Public Health Department	...	...			2
Introduction	...	...	...	...	3
Section I	Social Conditions & Statistics				5
Section II	Prevalence & Control of Infectious Diseases	...	...		11
Section III	Sanitary Circumstances of the District	...	...	...	14
Section IV	Factories	...	...	...	20
Appendix	Services provided by Other Authorities	...	...	...	22

---oo0oo---

PUBLIC HEALTH COMMITTEE
(as at May, 1961)

CHAIRMAN

Councillor J.H. Munn

VICE CHAIRMAN

Councillor T.H. Porter

MEMBERS

Councillor L.G. Allebone

" D.J. Dean

" A. Slater

" Mrs. Sweet

Ex- Officio - Councillor D.R.E. Hale, J.P.
(Chairman of Council)

---oo0oo---

STAFF OF PUBLIC HEALTH DEPARTMENT

Medical Officer of Health

Rosetta C. Barker M.B., B.Ch., B.A.O., D.P.H.

Public Health Inspector

T.A. Eardley, Cert. S.I.B.

Clerical Staff

Miss M.L. Fry

Mrs. J.L. Bancroft

---oo0oo---

'Phone
Shoreham-by-Sea 4242

Public Health Department,
St. Wilfrids,
Ham Road,
Shoreham-by-Sea.
October 1962.

To: The Chairman and Members
of the Urban District
Council of Southwick.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report for the year 1961, as required by the Public Health Officers' Regulations.

Statistics The Registrar General estimated the mid-year population of the Urban District as 11,870 persons; that is 130 more than in the previous year.

The Census for 1961 shows a numerical increase of 1,143 which represents a percentage increase of 10.7 per cent since the 1951 Census.

Births: The total number of live births was 156 (153 in 1960) and the corrected birth rate was 14.05 as compared with a rate of 17.4 for England and Wales.

Deaths: There were 75 male deaths and 96 female deaths making a total of 171 deaths from all causes as compared with 140 for 1960. The corrected death rate was 12.8 as compared with a rate for England and Wales of 12.0. The number of deaths of infants under one year was 2 (2 in 1960)

Reallocation of time of the Medical Officer of Health. In 1961 I made a request to the Council for a revision of my contract so that I would have more time for the ever increasing commitments of a medical officer of health. A joint meeting of the authorities concerned took place at which an agreement was provisionally reached to revise my contract so that I would have more time for my District duties by being released from some of my County Council duties. The County Council confirmed that they concurred in the agreement. I was disappointed, however, that the District Council found themselves unable to do so.

I wish to express my thanks to the members of the Public Health and Housing Committee for their support, to the officers of the other Departments for their co-operation and to the staff of my Department.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

ROSETTA C. BARKER

Medical Officer of Health.

SECTION 1

SOCIAL CONDITIONS AND STATISTICS

Southwick is a small urban district on the south coast, situated four miles west of Brighton.

The eastern arm of Shoreham Harbour, known locally as "The Canal", forms the southern boundary of the district. On the strip of land south of the Canal are situated the Power Station of the Central Electricity Authority and the works of the South Eastern Gas Board. The sheltered water of the Canal is used as a harbour by private yachts.

The chief industries in the town are electricity production, dyeing, sheet metal work and lingerie manufacturing.

GENERAL STATISTICS

Area in acres	...	...	...	...	...	...	1,127
Registrar General's estimate of resident population (mid-year 1961)	...	...	...	...	...	...	11,870
Rateable Value as at 31st December, 1960	..	...	...	...	...	...	£335,555
Rateable Value as at 31st December, 1961	..	...	...	...	...	...	£332,725
Sum represented by a penny rate	...	...	...	...	...	...	£1,366
No. of inhabited houses at the end of 1961 according to Rate Book	...	...	...	...	...	...	3,970
Rainfall for the year	...	...	...	...	...	...	27.79"

CENSUS, 1961

Population	..	...	...	...	...	...	...	11,874
Males	...	...	...	...	...	...	5,519	
Females	...	...	...	...	...	...	6,355	

The population at the 1951 Census was 10,731 (Males 4,943, Females 5,788). There is therefore a numerical increase of 1,143 (Males 576, Females 567) which represents an intercensal increase of 10.7 per cent.

VITAL STATISTICS

Mothers and Infants

These are calculated on estimated mid-year Home
Population of 11,870

Live Births

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	78	69	147
Illegitimate.....	4	5	9
	<u>82</u>	<u>74</u>	<u>156</u>
L.B.R. per 1,000 population.....			13.14
L.B.R. after applying Area Comparability factor			14.05
Illegitimate Live Birth % of total Live Births.			5.76%

Stillbirths

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate.....	1	2	3
Illegitimate.....	<u>-</u>	<u>-</u>	<u>-</u>
	<u>1</u>	<u>2</u>	<u>3</u>
Still Birth Rate per 1,000 Live Births and Still Births.....			18.86

Total Live and Stillbirths

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate.....	79	71	150
Illegitimate.....	<u>4</u>	<u>5</u>	<u>9</u>
	<u>83</u>	<u>76</u>	<u>159</u>
L.B.R. = Live Birth Rate.			
S.B.R. = Still Birth Rate.			

Infant Deaths (deaths under one year)

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate.....	1	-	1
Illegitimate.....	<u>1</u>	<u>-</u>	<u>1</u>
	<u>2</u>	<u>-</u>	<u>2</u>

Infant Mortality Rates

Total Infant deaths per 1,000 total live births	12.82
Legitimate deaths per 1,000 total legitimate live births	6.8
Illegitimate deaths per 1,000 Illegitimate live births	111

Neonatal Mortality Rate (deaths
under 4 weeks per 1,000 total live births) 6.4

Early Neonatal Mortality Rate (deaths
under 1 week per 1,000 total live births) 6.4

Perinatal Mortality Rate (stillbirths
and deaths under 1 week combined per 1,000
total live and still births) 25.15

Maternal Deaths (including abortion) Nil.

Maternal Mortality Rate
(deaths per 1,000 live and stillbirths) -

<u>Deaths (All causes)</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>
	75	96	171

Death Rate (Crude) per 1,000 population 14.4

Death Rate after applying Area Comparability Factor 12.8

CAUSES OF DEATH

	<u>Males</u>	<u>Females</u>	<u>Total</u>
1. Tuberculosis, respiratory	1	-	1
2. Tuberculosis, other	-	-	-
3. Syphilitic disease	-	-	-
4. Diphtheria	-	-	-
5. Whooping Cough	-	-	-
6. Meningococcal Infections	-	-	-
7. Acute Poliomyelitis	-	-	-
8. Measles	-	-	-
9. Other infective and parasitic disease	-	-	-
10. Malignant neoplasm, stomach	1	3	4
11. Malignant Neoplasm, lung, bronchus	4	2	6
12. Malignant neoplasm, breast	-	4	4
13. Malignant neoplasm, uterus	-	2	2
14. Other malignant and lymphatic neoplasms	10	8	18
15. Leukaemia, aleukaemia	-	-	-
16. Diabetes	-	-	-
17. Vascular lesions of nervous system	12	10	22
18. Coronary Disease and Angina	10	13	23
19. Hypertension with heart disease	3	1	4
20. Other heart disease	11	25	36
21. Other circulatory disease	2	9	11
22. Influenza	1	-	1
23. Pneumonia	4	5	9
24. Bronchitis	6	3	9
25. Other diseases of respiratory system	2	2	4
26. Ulcer of stomach and duodenum	-	-	-
27. Gastritis, enteritis and diarrhoea	-	1	1
28. Nephritis and nephrosis	-	1	1
29. Hyperplasia of prostate	-	-	-
30. Pregnancy, Childbirth, abortion	-	-	-
31. Congenital malformations	1	-	1
32. Other defined and ill-defined diseases	3	4	7
33. Motor Vehicle accidents	1	1	2
34. All other accidents	3	1	4
35. Suicide	-	1	1
36. Homicide	-	-	-
	<u>75</u>	<u>96</u>	<u>171</u>

Death Rate (Crude) per 1,000 population 14.4

Death Rate after applying Area Comparability Factor. 12.8

Of the total of 171 deaths of Southwick residents during the year, 75 occurred outside the Town.

The deaths of 11 non-residents occurred in Southwick during the year and were registered in the District. These deaths were transferred to the Districts in which the deceased had been resident.

The Area Comparability factor: This factor which is applicable to the live birth rate and to the death rate takes account of the age and sex distribution of the population, and its use enables comparisons to be made with the crude rate for England and Wales, or with the corresponding adjusted rate for any other district.

Below are listed certain statistics for Southwick and the corresponding statistics for England and Wales for comparison.

	<u>Southwick</u>	<u>England & Wales</u>
+ Live Birth Rate ...	14.05	17.4
Infant Mortality Rate	12.82	21.4
+ Death Rate	12.8	12.0
+ Area comparability factor has been applied.		

Infant Mortality

There were 2 deaths of infants under one year of age, particulars of which follow:-

<u>Age</u>	<u>Sex</u>	<u>Cause of Death</u>
8 hours	Male	Prematurity Pulmonary Atelectasis
2 months	Male	Anaphylactoid shock due to inhalation of stomach contents Misadventure.

Vital Statistics for the years 1948-61 (inclusive)

Vital Statistics for the years 1948-61 (inclusive) are shown on page 10.

TABLE SHOWING VITAL STATISTICS - 1948/1961

YEAR	Est. Popul- ation	NO. OF BIRTHS				Crude Birth Rate	NO. OF DEATHS		Crude Death Rate	Infant Death Rate		
		Legitimate		Illegitimate			M	F			Total	
1948	10,690	94	60	154	3	4	7	54	63	117	10.9	19.0
1949	10,650	69	62	131	6	4	10	67	67	134	12.6	43.0
1950	10,800	81	64	145	10	7	17	69	69	138	12.8	30.9
1951	10,690	71	67	138	4	1	5	65	69	134	12.5	6.9
1952	10,680	71	69	140	4	5	9	64	70	134	12.5	Nil
1953	10,830	56	71	127	4	1	5	56	64	120	11.9	15.1
1954	11,010	69	72	141	3	6	9	68	68	136	12.4	33.3
1955	11,100	71	70	141	2	2	4	65	68	133	12.0	20.6
1956	11,250	71	75	146	1	4	5	80	75	155	13.8	19.9
1957	11,410	73	65	138	3	6	9	73	66	139	12.2	54.4
1958	11,500	86	81	167	-	1	1	67	57	124	10.8	17.8
1959	11,640	69	77	146	4	6	10	73	95	168	14.43	12.82
1960	11,740	72	75	147	2	4	6	76	64	140	11.92	13.07
1961	11,870	78	69	147	4	5	9	75	96	171	14.4	12.82

SECTION II

PREVALENCE AND CONTROL OF INFECTIOUS DISEASE

The following diseases are notifiable to the Medical Officer of Health -

Anthrax	Plague
Cholera	Pneumonia, Acute Primary
Diphtheria	Pneumonia, Acute Influenzal
Dysentery	Poliomyelitis
Encephalitis (Acute)	Puerperal Pyrexia
Erysipelas	Relapsing Fever
Food Poisoning (or suspected Food Poisoning)	Smallpox
Malaria	Tuberculosis
Measles	Typhoid Fever
Meningococcal Infection	Typhus
Ophthalmia Neonatorum	Whooping Cough
Paratyphoid Fever	Scarlet Fever

Below are given the figures for notification of infectious diseases in the district during the year 1961:-

Erysipelas	1	Acute Pneumonia	6
Food Poisoning	3	Scarlet Fever	18
Measles	188	Pulmonary Tuberculosis	3
		Whooping Cough	8

Food Poisoning. There was a family outbreak of Food Poisoning, 3 members of the family being affected.

The organism was Salmonella Typhi-murium (phage type la var 1.)

The cause of the outbreak was not discovered

On the next two pages are tables giving:-

- (a) Details of notifications in age groups
- (b) Monthly Summary of infectious disease notifications.

INFECTIOUS DISEASES NOTIFICATIONS IN AGE GROUPS - 1961.

DISEASE	Under 1 year	1 - year	2 year	3 - year	4 - year	5 - 9 yrs	10 - 14 yrs	15 - 24 yrs	25 - 44 yrs	45 - 64 yrs	65 & over	Age Unknown	TOTALS
Erysipelas	-	-	-	-	-	-	1	-	-	-	-	-	1
Food Poisoning	-	-	-	-	-	-	-	1	-	2	-	-	3
Measles	7	22	19	23	31	78	5	1	2	-	-	-	188
Pneumonia Acute	-	-	-	-	-	1	-	-	-	-	5	-	6
Scarlet Fever	-	-	1	3	4	9	1	-	-	-	-	-	18
Tuberculosis Pulmonary	-	-	-	-	-	-	-	1	1	1	-	-	3
Whooping Cough	1	1	1	1	1	3	-	-	-	-	-	-	8
TOTALS	8	23	21	27	36	91	7	3	3	3	5	-	227

MONTHLY SUMMARY OF INFECTIOUS DISEASES

Infectious Disease	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Erysipelas	-	-	1	-	-	-	-	-	-	-	-	-	1
Food Poisoning	-	-	-	-	-	-	-	3	-	-	-	-	3
Measles	116	10	26	10	3	7	6	2	7	1	-	-	188
Pneumonia acute	3	1	-	-	-	-	-	-	-	-	-	2	6
Scarlet Fever	1	-	1	4	1	3	2	-	-	-	5	1	18
Tuberculosis Pulmonary	-	1	-	-	-	-	2	-	-	-	-	-	3
Whooping Cough	2	-	-	2	-	-	1	-	-	-	3	-	8
Total	122	12	28	16	4	10	11	5	7	1	8	3	227

SECTION III

SANITARY CIRCUMSTANCES OF THE DISTRICT

WATER SUPPLY

The Brighton Corporation is the statutory water authority for the district and supplies all the houses in Southwick with a piped water supply.

I am indebted to Mr. Needham Green, B.Sc., M.I.C.E. Brighton Corporation Waterworks Engineer for the following information:-

1. The water supply has been satisfactory in quantity and quality.
2. Bacteriological examinations of both raw and treated waters are made at weekly intervals. In addition daily samples are taken from taps at fixed points on the district. The results have been satisfactory. A general chemical and mineral examination of the raw water is made each month.
3. All the water is obtained from chalk and no evidence of plumbosolvent action is apparent.
4. Chlorination, with post-ammoniation of all raw waters is practised continuously and surveys of the catchment area are regularly carried out. In the event of a raw water showing evidence of bacterial pollution, such surveys are intensified and appropriate adjustments of chlorine and ammonia dosage are made. In addition, bacteriological examination of the raw and chlorinated water is carried out at daily intervals.

Below are listed the water mains laid during the years 1960-1961.

Norbury Nursery Estate	...	...	372 yds	3"	dia.	pipe
Boundstone Lane	...	...	68	"	4"	" "
Norbury Nursery (Heyshott Close)			69	"	3"	" "
Alexandra Road	...	...	5	"	3"	" "
Kings Road	...	...	343	"	4"	" "
Penhill Road	...	...	258	"	4"	" "

SEWERAGE AND SEWAGE DISPOSAL

HOUSE REFUSE COLLECTION

The work in connection with these services is the responsibility of the Council's Engineer and Surveyor to whom I am indebted for the information which follows :-

Sewerage and Sewage Disposal

The whole of the district is served by a system of foul sewers discharging into the Portslade and Southwick Outfall Board's intercepting and tank sewers and from these by a controlled discharge well out at sea.

As part of the Board's scheme to provide a new underground high level system storage tank which will serve the northern parts of Southwick and Portslade, the construction of the northern intercepting sewer and the new high level storage tank was carried out. By December 1961, the intercepting sewer had been completed but had not been brought into use as the high level storage tank was still under construction

The Board have no outfalls or overflows into rivers or streams.

Regular inspections of the foreshore are maintained and there is no evidence that the controlled discharge of sewerage is not working effectively as designed to disperse the sewage well out at sea.

There are no cesspools in the district.

Rainfall statistics for the year are as follows :-

The total rainfall up to 31st December, 1961	-	27.79"
Rainfall being recorded on	-	148 days
The wettest month was January, rainfall	-	4.7"
The driest month was March, rainfall ..	-	0.14"

Refuse Collection

Refuse is collected by covered refuse collecting vehicles from every house and shop in the district each week. Disposal is by controlled tipping at the Adur Recreation Ground area pending completion of work on the establishment of a refuse salvage and separation plant at Halewick Lane, Sompting which will be used jointly by the Southwick U.D.C., Shoreham-by-Sea U.D.C. and Worthing R.D.C.

Dustbins. These are provided and maintained by the householders.

Provision of Public Conveniences:

The Council provides and maintains public conveniences at The Green for men and women and at the rear of the Town Hall for women. In addition, by agreement with the proprietors, toilets situated at The Schooner, Shipwright and Cricketers Inn are available for public use, their cleansing being carried out twice weekly by the Council who also pay for the water used in these toilets.

Provision of Swimming Baths:

There are no swimming baths in the district.

Mortuaries:

There is no public mortuary in the district. By arrangement between Southwick Council and Shoreham-by-Sea Council, bodies from Southwick are received into the public mortuary at Shoreham-by-Sea. During 1961 26 bodies were received from Southwick into the mortuary at Shoreham.

The following is a statement of work carried out by
Public Health Inspector in the year 1961.

<u>Number of Informal Notices served during the Year.</u>	34.
Number of Informal Notices Complied with.	32.

<u>Number of Statutory Notices served during the Year.</u>	6.
Number of Statutory Notices Complied with.	5.

Dustbins: during the year 6 instances of dustbins not being
maintained in a proper state of repair were noted.

Moveable Dwellings - Tents Vans and Sheds

Number of Inspections during the year	3.
Complaints received:	1.
Contraventions found:	1.
Abated:	1.

Prevention of Damage by Pests Act, 1949.

	Dwelling Houses
No of Premises found to be Infested:	186.
No of Premises cleared:	186.
	Business Premises
No of Premises found to be Infested:	40.
No of Premises cleared:	40
	Waste Grounds
No of Waste Plots found to be Infested:	9
No of Plots cleared:	9

Public Health Acts: Number of Inspections of Dwelling Houses
made under the Public Health Act. 140

Housing Act: Number of Inspections made under the Housing Act. 70.

Infectious Diseases Number of Inspections in respect of
Infectious Diseases: 25.

Shops Act 1950

No of Shops in the District:	160.
No of Inspections made:	206.
No of Defects found:	3.
No of Defects Remedied:	3.

Rag Flock Act and Other Materials Act of 1951

No premises in the district registered under this Act.

Heating Appliances (Fireguards) Act 1952.

No action under this Act was taken during the year.

Clean Air Act, 1956.

Number of Observations made in respect of Smoke
Emissions: 15

Food Premises (Inspections and Supervision)

Records show 149 traders in food stuffs in the District.

Butchers	8.
Confectioners shops and Bakers.....	3.
Sweet Shops.....	16.
Fish (wet)	4.
Fish (dry)	2
Greengrocery	9
Grocery	30

Food Premises (Inspections and Supervision) Continued.

Ice cream Retail Sales.....	30.
Licensed Premises and Clubs	16.
Milk Distributors	23.
Off Licenses	5.
Preparation or Manufacture of Sausages Etc.....	8.
Restaurants and Cafes.....	5.
Factory Canteens.....	4.
Hospitals and Nursing Homes Hostels Etc.....	2.
Schools.....	5.
Boarding Houses Etc.....	1.

Examination and Seizure of Food Etc.

2 boxes 30lbs each Frozen Rabbit.
2 6lb tins of Corn Beef.
25 lbs of Ox Cheek.
2 stone of huss.

Milk and Dairies Regulations.

Sampling of Biological Milks carried out during the
Year weekly: 96.

Clearance and Development.

During the year the Number of Demolition Orders made... Nil.
Number of Houses Demolished..... 63
Number of houses in respect of which closing orders made Nil

Section 18.

Number of Closing Orders made in respect to part of a
building..... Nil

Factories

Number of Inspections made during the year..... 29
Number of Workplaces visited during the year..... 4

Outworkers

Number of Inspections made..... 19

SECTION IV

FACTORIES

Prescribed Particulars on the Administration
of the Factories Act, 1937.

PART 1 OF THE ACT

1. Inspections for purpose of provisions as to health
(including inspections made by Public Health Inspectors)

Premises	No. on Register	Number of		
		Inspec- tions	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	39	22	-	-
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	20	10	-	-
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out- workers' premises)	2	1	-	-
Total	61	33	-	-

2. Cases in which DEFECTS were found

Particulars	Number of cases in which defects were found		Referred		No. of cases in which prosecutions were instituted
	Found	Remedied	To H.M. Inspector	By H.M. Inspector.	
Want of Cleanliness(S.1)	1	1	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3).....	-	-	-	-	-
Inadequate Ventilation (S.4).....,	-	-	-	-	-
Ineffective drainage of floors (S.6).....	1	1	-	-	-
Sanitary Conveniences(S.7)					
(a) Insufficient.....	-	-	-	-	-
(b) Unsuitable or defective.....	1	1	-	-	-
(c) Not separate for sexes.....	-	-	-	-	-
Other offences against the Act (not including offences relating to Outwork).....	-	-	-	-	-
Total.....	2	2	-	-	-

APPENDIX

SERVICES PROVIDED BY OTHER AUTHORITIES

NATIONAL HEALTH SERVICE ACT, 1946

The National Health Service Act, 1946, makes provision for the following Services :-

1. Hospital and Specialist Services (Part II of the Act)

The South West Metropolitan Hospital Board is the Authority responsible for the provision of hospital and specialist services in the area.

The Worthing Group Hospital Management Committee is responsible for the day to day administration of these hospitals which serve the Southwick District and are listed below

Southlands Hospital	.....	General Hospital
Worthing	"	" "
Littlehampton	"	" "
Swandean	"	(infectious Diseases (Long Stay Cases
Zachary Merton	"	Maternity Hospital

2. Personal Health Services (Part III of the Act)

These are provided in this area by the West Sussex County Council. They are :-

1. The Care of Mothers and young Children.
2. Domiciliary Midwifery.
3. Home Nursing.
4. Health Visiting.
5. Vaccination and Immunisation.
6. Ambulance Service.
7. Prevention of illness, care, and after-care of persons suffering from illness.
8. Home Help.

3. General Medical and Dental Service (Part IV)

The National Health Service Executive Council is the authority responsible for the purpose of exercising functions with respect to the provision of services under this part of the Act. The Executive Council operates from Chichester.

NATIONAL ASSISTANCE ACT, 1948

The West Sussex County Council as Welfare Authority provides a Welfare Service for the Aged and for Handicapped Persons.

SCHOOL HEALTH SERVICE

The West Sussex County Council in its capacity as Local Education Authority, is responsible for the provision of School Health Service.

VACCINATION AND IMMUNISATION

This is one of the Personal Health Services and is provided by the County Council.

I am indebted to Dr. T. McL Galloway, the County Medical Officer for the tables on this and the following page: giving details of poliomyelitis and immunisation vaccinations carried out in the Southwick Urban District during the year ended 31st December 1961.

POLIOMYELITIS VACCINATION

	Children born 1943 to 1961	Young Persons born 1933 - 1942	Person born before 1933 (not yet 40)	Others	Total
Initial Vaccination of Two Injections.	259	70	214	9	552
Third Injections.	197	63	298	37	595
Fourth Injections.	754	-	-	-	754

DIPHTHERIA, WHOOPING COUGH AND TETANUS

Return for Year ending 31st December 1961.

	CHILDREN BORN IN YEARS							TOTAL
	1961	1960	1959	1958	1957	1952-1956	1947-1951	
<u>DIPHTHERIA.</u> Primary Injections. Reinforcing Injections.	-	2	-	-	-	-	2	4
	-	-	1	1	-	3	-	3
DIPHTHERIA AND WHOOPING COUGH. Primary Injections. Reinforcing Injections.	-	-	-	-	-	-	-	-
	-	1	-	-	-	8	6	15
	-	-	-	-	2	15	5	22
DIPHTHERIA AND TETANUS. Primary Injections. Reinforcing Injections.	-	-	-	-	-	-	-	-
	60	100	22	12	8	29	3	234
	-	1	1	1	2	24	3	32
WHOOPING COUGH. Primary Injections. Reinforcing Injections	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-
TETANUS INJECTIONS. Primary Injections. Reinforcing Injections	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-

